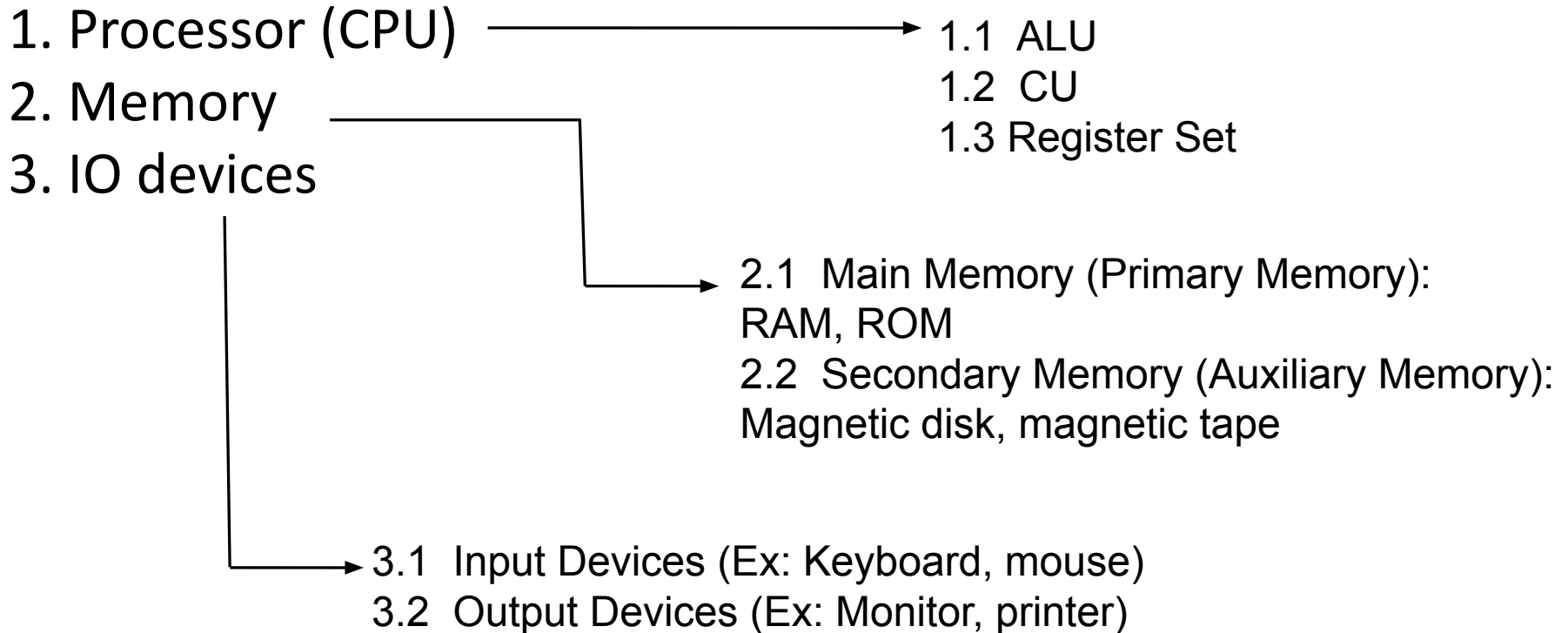


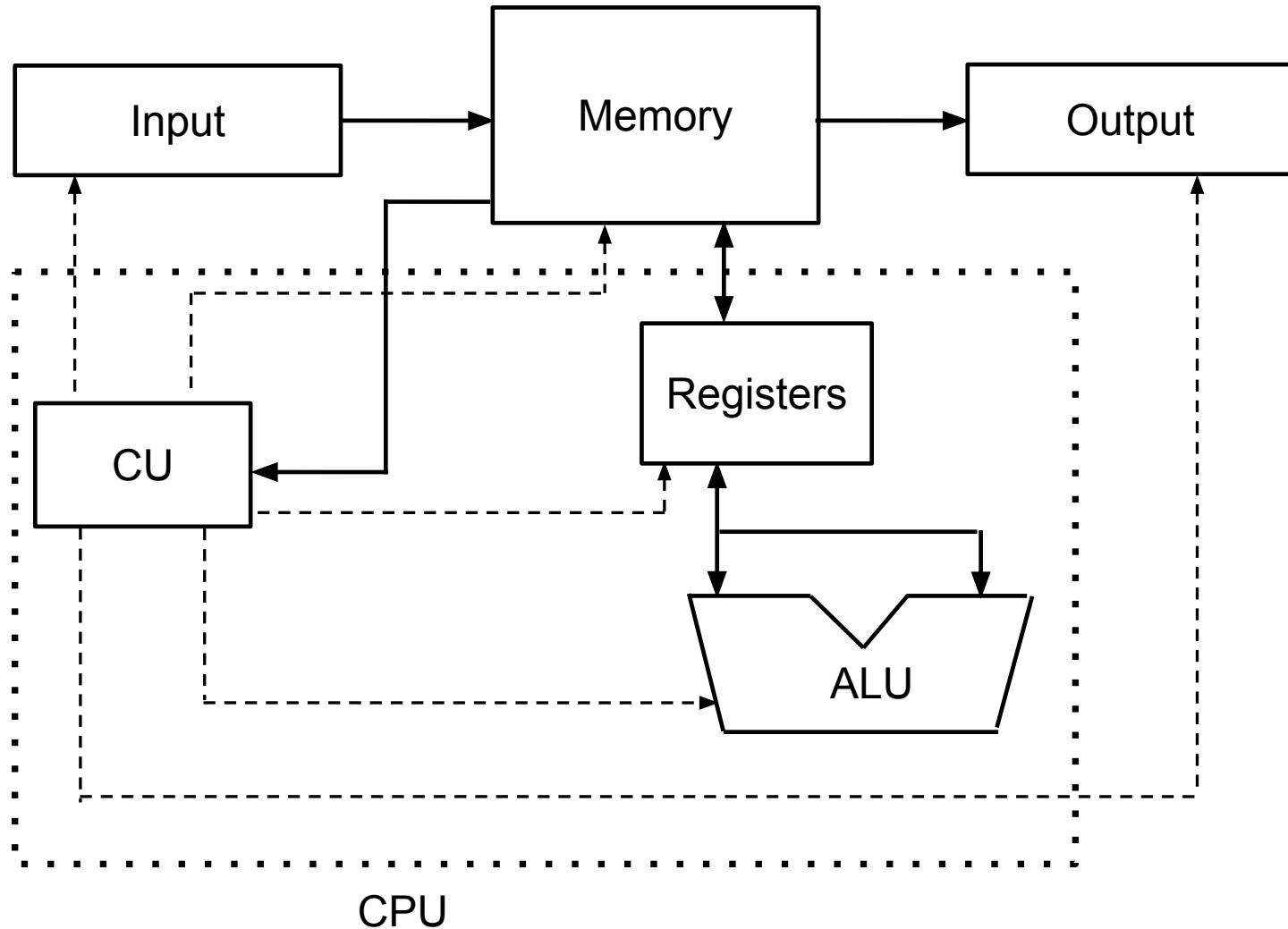
Reference Books for Computer Organization

1. Computer System Architecture by Mano
2. Computer organization And Embedded Systems by Hamacher
3. Computer Organization and Architecture by T.K. Ghosh

Basic Components of a Digital Computer



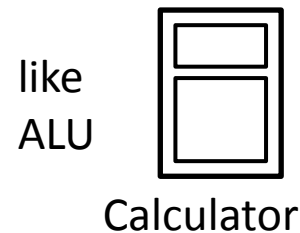
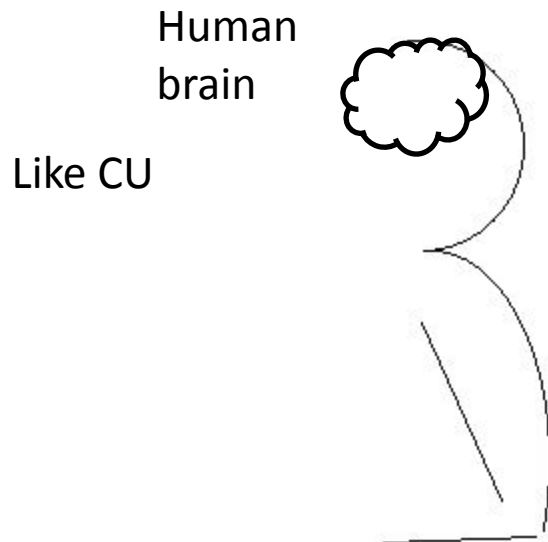
Block Diagram of Digital Computer



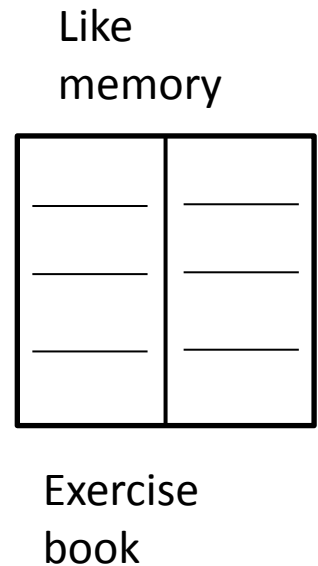
Example

A person is performing an arithmetic calculation. He has three things with him.

1. Calculator
2. Exercise book
3. Pen



Like IO devices



Operating System

Operating System is a system software that provides the interface between hardware and software and acts as a manager of all resources.

Role of Operating system:

1. Process management
2. Memory management
3. File management
4. Device management
5. Creates user interaction environment
6. Provides protection and security

Booting on computer start up

Booting process is involved with loading the kernel (main part of the operating system) from secondary memory to primary memory.

Booting process is initiated by a program which is called bootstrap program.

The bootstrap program is stored into ROM (nonvolatile portion of the main memory).

Thank You